

Title (en)

SELF-PROPELLED HARVESTER WITH HEIGHT CONTROLLED CUTTING HEADER

Title (de)

SELBSTFAHRENDE ERNTEMASCHINE MIT HÖHENGEREGETEM SCHNEIDWERK

Title (fr)

MACHINE DE RÉCOLTE AUTOMOTRICE DOTÉE D'UN TÊTE DE COUPE RÉGLABLE EN HAUTEUR

Publication

EP 2679086 B1 20160323 (DE)

Application

EP 13161513 A 20130328

Priority

DE 102012012907 A 20120628

Abstract (en)

[origin: EP2679086A1] The machine has a control unit (25) with two control loops (15,17). One control loop generates a height correction signal (h-korr) on basis of the detected actual cutting height (h-ist) of a header and a setpoint cutting height (h-soll). The other control loop regulates the pressure of a hydraulic adjusting mechanism (5) for adjusting the cutting height. The setpoint of the pressure follows changes in the height correction signal. An independent claim is also included for a method for controlling a header of a self-propelled harvesting machine.

IPC 8 full level

A01D 41/14 (2006.01)

CPC (source: EP RU US)

A01D 34/008 (2013.01 - US); **A01D 41/02** (2013.01 - RU); **A01D 41/141** (2013.01 - EP US); **A01D 41/127** (2013.01 - RU);
A01D 41/1278 (2013.01 - RU)

Cited by

CN105340468A; EP3569050A1; EP3072379A1; EP3141103A1; US9769982B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2679086 A1 20140101; **EP 2679086 B1 20160323**; DE 102012012907 A1 20140417; RU 2013126961 A 20141220;
RU 2630230 C2 20170906; US 2014000230 A1 20140102; US 9345191 B2 20160524

DOCDB simple family (application)

EP 13161513 A 20130328; DE 102012012907 A 20120628; RU 2013126961 A 20130614; US 201313905443 A 20130530